

**FPT International School**

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**PROJECT REPORT**

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| **Batch:**  **Semester: 1**  **Group: 1** |

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| * Student1374144 * Student1369697 * Student1369679 * Student1374142 * Student1369698 | * Luong Trung Kien * Hoang Cong Minh * Nguyen Trung Hieu * Chu Quang Vu * Nguyen Van Tien |

**Acknowledgments**

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1. **Problem Statement**

Alberto Watch Company is a full-service watch repair, appraisal, and retail store – offering the finest selection of luxury timepieces. Offering an unparalleled selection with first-class service. Alberto also carries a wide selection of brand new watches such as Michael Kors ,Rolex, Citizen Eco-Drive, Bulova and more! You are supposed to create a Single-Page-Application and responsive Website forthem with the below mentioned requirement specifications.The website is to be developed for the Windows Platform using HTML5, JSON, Angular JS, JavaScript and Geolocation. The site should work well in all leading browsers including Chrome, IE, Firefox etc.

1. **Requirement**

1) The Top of the Page should be presented with a suitable logo, and page

should have decent colour combination.

2) The site should display a menu which will contain the options as Products,

Technology, Store Locator, Support etc.

3) Various sections having information about different types of watches and

clocks, Technology used in the watches etc. these sections should display

products accordingly.

4) The information should be categorized in sections according to different

Product Line-up e.g. “Vintage”, “Luxury”, “Smart Watches” etc.

5) When a user selects any product line-up, complete list of watches for that

product line-up will be displayeds.

6) Details of the watches should be displayed on the popup window.

7) Price List for all watches should be available.

8) Gallery can be added for viewing different images.

9) Site map, Gallery, about us, Contact us link must be added.

10) About Us and Contact Us: This menu option should display Email id, address, and contact number of the organization.

*Over and above this, the portal should implement the following functionalities:*

- Display a continuous scrolling ticker at the bottom of the page with current date,

time, and location (hint: Use geolocation features of HTML5).

- Display a visitor count at the top right corner of the page beside a logo image.

- The menu options should change color on hover and also after clicking.

- Fade in and fade out options can be used for the menus.

**Software**

Technologies to be used:

- Frontend: HTML5, CSS, Bootstrap, JavaScript, jQuery, AngularJS, XML.

- Data Store: JSON files or TXT files.

1. **Analysis of User Stories:**

**User type: Customer**

**Story 1: View**

Product: As a customer, I want to view the products categorized according to their names and prices. When i click on a product, a pop-up description about this product will display, including images, price, material...

**Story 2: Search for products**

Our website shall allow user to search products by keying in their names. The search tool will search keywords in their name of product's objects then display products on the screen. If it doesn't found, nothing will display on the screen.

**Story 3: Product filter**

The filter allow us to find products easily. We also have the filter on the website to search products easier, we can also search for their types, prices, brands.

As an user, I also want to find my favorite brand so I just need to click on the brand I want, then their product will display on screen. Maybe, I want it between 100$ and 500$, i can also click to the price on the filter table then it refine to me products from 100$ to 500$.

**User type: Admin**

**Story 1: View**

In the view of pages, i want to see how many of view on our page. It will display the count of reloading page on the right corner of the page.

1. **Project task asignment**

* Team's role:

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| --- | --- |
| Luong Trung Kien | Leader |
| Hoang Cong Minh | Member |
| Nguyen Trung Hieu | Member |
| Chu Quang Vu | Member |
| Nguyen Van Tien | Member |

* Main stage:

|  |  |  |  |
| --- | --- | --- | --- |
| # | Page | Task distribution | Performer |
| 1 | Home page | Layout (HTML, CSS, JS),  Interaction with User (JS) | Hoang Cong Minh |
| 2 | Products | Layout (HTML, CSS) | Luong Trung Kien |
| Interaction with User (JS)  (Filter and search tool) | Hoang Cong Minh |
| 3 | Technology | Layout (HTML, CSS),  Interaction with User (JS) | Luong Trung Kien |
| 4 | Support | Layout (HTML, CSS) | Nguyen Trung Hieu, Luong Trung Kien |
| Interaction with User (JS) | Luong Trung Kien |
| 5 | About us | Layout (HTML, CSS) | Luong Trung Kien |
| 6 | Contact | Layout (HTML, CSS) | Nguyen Van Tien, Nguyen Trung Hieu |
| 7 | Gallery | Layout (HTML, CSS) | Nguyen Van Tien, Nguyen Trung Hieu |
| 8 | Policy | Layout (HTML, CSS) | Nguyen Van Tien, Luong Trung Kien |
| 9 | Website reponsive | Layout (HTML, CSS) | Hoang Cong Minh, Luong Trung Kien |

1. **Summary**

* Techniques.
* Use function in Javascript to validate form.
* Add events to DOM elements and perform actions on SPA, apply MVC.
* Use CSS to design reponsive media style.
* Take advantage of resources from libraries such as JQuery, Bootstrap to make the design process in CSS and JS easier.
* Teamwork skills.
* Conduct online meetings and assign tasks to members weekly and daily using Sprint.
* Before making a final decision on an outcome look of any pages, members need to yield agreement from everyone else. In that way, the team could prevent differences in the style of the pages of each member.